

1. An alternating current generator, comprising:

(a) a disc-shaped rotor and first and second ring shaped stationary cores, coaxially located with said rotor;

5 (b) said rotor further comprising a non-magnetic disc attached to a shaft, with a plurality of low permeability magnetic blocks fastened to the rim of said disc;

10 (c) said first stationary core being an electromagnet shaped so as to present magnetic poles to said rotor blocks; and,

15 (d) said second stationary core being an armature, further comprising a low permeability magnetic core wound with a conductive coil, shaped so as to present poles which can be magnetically polarized to said rotor blocks.

20 2. The generator of CLAIM 1, wherein said poles of said stationary cores are positioned in intervening relation to each other such that opposing ends of said blocks can align alternately with said electromagnet and said armature so as to allow the transmission of magnetic flux from said electromagnet to said armature.

3. The generator of CLAIM 2, wherein said blocks are iron.

4. The generator of CLAIM 2, wherein said armature core is iron.

5 5. The generator of CLAIM 2, wherein said blocks are laminated.

6. The generator of CLAIM 2, wherein said armature core is laminated.

10 7. The generator of CLAIM 2, wherein said conductive coil is copper.

8. An alternating current generator, comprising:

(a) a disc shaped rotor and first and second ring shaped stationary cores, coaxially located with said rotor;

15 (b) said rotor further comprising a non-magnetic disc attached to a shaft, with a plurality of laminated iron blocks fastened to the rim of said disc;

(c) said first stationary core being an electromagnet shaped so as to present magnetic poles to
20 said rotor blocks;

(d) said second stationary core being an armature, further comprising a laminated iron core wound with a copper coil, shaped so as to present poles which can be magnetically polarized; and,

5 (e) said poles of said stationary cores are positioned in intervening relation to each other such that opposing ends of said blocks can align alternately with said electromagnet and said armature so as to allow the transmission of magnetic flux from said electromagnet

10 to said armature.